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› [DragoBud](#) /

› DragoBud USB WiFi 6 Adapter Bluetooth 5.4 Instruction Manual

DragoBud AX916

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Model: AX916 | Brand: DragoBud

1. INTRODUCTION

Thank you for choosing the DragoBud USB WiFi 6 Adapter with Bluetooth 5.4. This device is designed to provide your laptop, PC, or desktop with lightning-fast wireless internet connectivity and seamless Bluetooth capabilities. Featuring the latest IEEE 802.11ax standard and Bluetooth 5.4, it ensures a stable, high-speed connection for all your online activities and wireless peripherals.



Figure 1: DragoBud USB WiFi 6 Adapter with dual antennas.

2. KEY FEATURES

- **WiFi 6 802.11ax:** Experience lightning-fast connections with speeds up to 900Mbps on both 2.4GHz (up to 286Mbps) and 5GHz (up to 600Mbps) bands, ensuring lag-free gaming, streaming, and browsing.

- **Bluetooth 5.4:** Easily connect wireless devices like headphones, speakers, keyboards, printers, and more, without needing a separate Bluetooth adapter.
- **5dBi External Antenna:** Equipped with a 5dBi external antenna to enhance signal strength, extend range, and improve stability for reliable connectivity.
- **WPA3 Security:** Supports WPA3 encryption, an advanced security protocol that protects your network information.
- **AP Mode:** Allows you to convert your computer's wired connection into a WiFi signal, creating a hotspot.
- **Driver-Free Installation:** Automatic driver pop-up and installation on Windows 10 or 11, simplifying setup.



<p>WiFi6 802.11ax</p>	<p>BT5.4 Bluetooth 5.4</p>	<p>2.4G/5G^{HZ} dual band transmission</p>	<p>WPA3 ✓ security upgrade Stable connection</p>
<p>USB2.0 high speed transmission</p>	<p>MU-MIMO multi-device transmission</p>	<p>plug and play auto-connect Self-installed driver</p>	<p> Rotatable dual antenna, no fear of wall penetration</p>

Figure 2: Overview of the adapter's core features.

3. SETUP AND INSTALLATION

The DragoBud USB WiFi 6 Adapter is designed for simplified installation on compatible Windows systems.

3.1 System Compatibility

This adapter is compatible with Windows 7, Windows 10, and Windows 11 for Wi-Fi functionality. The Bluetooth feature is specifically compatible with Windows 10 and Windows 11 systems only. It is NOT compatible with Mac, Linux, Chromebook, or TV/Car systems.

System Compatibility

WiFi system compatibility



Windows 10



Windows 11



Windows 7

Bluetooth system compatibility



Windows 10



Windows 11



Attention.

The Bluetooth feature of the WiFi USB adapter is only compatible with Windows 10/11 systems.



Figure 3: Supported operating systems for Wi-Fi and Bluetooth functions.

3.2 Installation Steps

1. **Disable Built-in Adapters:** Before inserting the DragoBud adapter, it is highly recommended to turn off your computer's built-in Bluetooth and Wi-Fi to avoid potential conflicts. Refer to your computer's operating system settings for instructions on disabling these features.
2. **Insert the Adapter:** Plug the DragoBud USB WiFi 6 Adapter into an available USB port on your computer.
3. **Driver Installation:** For Windows 10 and 11, the USB Bluetooth and WiFi drivers should automatically pop up. Simply click to install them. No CD or complicated setup is needed.
4. **Manual Driver Installation (if needed):** If the driver does not auto-launch, navigate to "This PC" or "My Computer," locate the new drive (often labeled as a CD Drive with a small capacity), and double-click the "Wireless" or "Setup" executable to begin installation.
5. **Restart Computer:** After the driver installation is complete, restart your computer to ensure all changes take

effect.

6. **Connect to Wi-Fi:** Once restarted, select your desired Wi-Fi network from the available networks list and enter the password to connect.
7. **Bluetooth Pairing:** After Wi-Fi is set up, you can add Bluetooth devices. No extra driver is needed for Bluetooth pairing once the main USB driver is installed.



Figure 4: Simplified driver installation process.

4. OPERATING INSTRUCTIONS

4.1 Wi-Fi Connectivity

The adapter supports dual-band operation (2.4GHz and 5GHz). For optimal performance and higher speeds, connect to a 5GHz network if available. The 2.4GHz band offers wider coverage and better penetration through obstacles, while the 5GHz band provides faster speeds over shorter distances.

Dual High Gain 5dBi Antenna Expand Your Coverage Range

Upgrade your wireless setup with the Dual High Gain 5dBi Antenna and take your WiFi connectivity to the next level



Figure 5: The dual 5dBi antennas can be adjusted for optimal signal reception.

4.2 Bluetooth Functionality

With Bluetooth 5.4, you can connect various wireless devices to your computer. Ensure your Bluetooth device is in pairing mode, then go to your computer's Bluetooth settings to search for and connect to the device. The adapter supports simultaneous connection of multiple devices (up to 7 devices).

Bluetooth for simultaneous connection of multiple devices

Bluetooth 5.4 version, with lower power consumption and smaller latency, supports simultaneous connection of 7 devices



Figure 6: Examples of devices that can be connected via Bluetooth 5.4.

4.3 AP Mode (Hotspot Function)

The AP (Access Point) mode allows your computer to act as a Wi-Fi hotspot, sharing its wired internet connection wirelessly with other devices. To activate AP mode, refer to your operating system's network settings or the adapter's software interface (if applicable) to enable mobile hotspot or AP functionality.

Wireless network card WiFi reception + AP sharing



Figure 7: The adapter supports both receiving Wi-Fi and transmitting Wi-Fi (AP mode).

5. MAINTENANCE

To ensure the longevity and optimal performance of your DragoBud USB WiFi 6 Adapter, follow these simple maintenance guidelines:

- **Keep Clean:** Regularly wipe the adapter with a soft, dry cloth to remove dust and debris. Avoid using liquid cleaners.
- **Protect from Physical Damage:** Avoid dropping the adapter or subjecting it to excessive force. When not in use, consider unplugging it from the USB port to prevent accidental damage.
- **Avoid Extreme Conditions:** Do not expose the adapter to extreme temperatures, humidity, or direct sunlight.
- **Proper Storage:** If storing the adapter for an extended period, ensure it is kept in a cool, dry place.

6. TROUBLESHOOTING

If you encounter issues with your DragoBud USB WiFi 6 Adapter, please refer to the following common solutions:

6.1 Wi-Fi or Bluetooth Not Working

- **Check Built-in Adapters:** Ensure your computer's built-in Wi-Fi and Bluetooth are turned OFF to prevent conflicts with the DragoBud adapter.
- **Driver Installation:** Verify that the correct drivers for the DragoBud adapter are installed. If you suspect an issue, uninstall any existing Wi-Fi drivers (especially if they were for a previous adapter), restart your computer, and then reinstall the DragoBud driver.
- **USB Port:** Try plugging the adapter into a different USB port on your computer. Sometimes, certain USB ports may have issues or insufficient power.
- **Restart Computer:** A simple restart can often resolve connectivity issues.

6.2 Slow Connection Speed

- **Antenna Position:** Adjust the position of the 5dBi external antennas for optimal signal reception.
- **Router Distance:** Ensure you are within a reasonable range of your Wi-Fi router. Obstacles like walls can degrade signal strength.
- **Band Selection:** If your router supports it, try connecting to the 5GHz band for faster speeds, especially if you are close to the router.
- **Interference:** Other electronic devices can cause interference. Try moving the adapter or your computer away from potential sources of interference.

6.3 Incompatibility Issues

- **Operating System:** Confirm that your operating system is Windows 7, 10, or 11. The Bluetooth function specifically requires Windows 10 or 11. This product is not designed for Mac, Linux, Chromebook, or TV/Car systems.

7. SPECIFICATIONS

Feature	Detail
Brand	DragoBud
Model Number	AX916
Product Dimensions	1.4 x 0.48 x 2.3 inches (3.56 x 1.22 x 5.84 cm)
Item Weight	1.34 ounces (38 Grams)
Hardware Interface	802.11 ac/b/g/n, Bluetooth 2.0, Bluetooth 3.0, Bluetooth 4.0, Bluetooth 5
Data Link Protocol	USB
Data Transfer Rate	900 Megabits Per Second
Color	AX900M black
Compatible Devices	Desktop, Laptop, Any Wireless Wi-Fi Router, Keyboard

Product size



Figure 8: Physical dimensions of the DragoBud AX916 adapter.

8. WARRANTY INFORMATION

Specific warranty details for the DragoBud USB WiFi 6 Adapter are not provided in this manual. Please refer to the product packaging, the official DragoBud website, or contact the seller directly for comprehensive warranty information and terms.

9. CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your DragoBud USB WiFi 6 Adapter, please visit the

official DragoBud website or contact their customer service department through the contact information provided on the product packaging or purchase platform.